

Title (en)
BATTERY MODULE

Title (de)
BATTERIEMODUL

Title (fr)
MODULE DE BATTERIE

Publication
EP 3540815 B1 20200715 (EN)

Application
EP 18192053 A 20180831

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CN 201810220538 A 20180316

Abstract (en)
[origin: EP3540815A1] The disclosure relates to a battery module comprises a housing (10), a battery stack (20), a cover plate assembly (30), and a guiding component (40). The battery stack (20) is disposed in a containing chamber (12) of the housing (10). The cover plate assembly (30) comprises a plate (31), a deformable plate (32) and a module output (33), the plate (31) is arranged to close the opening (11), the deformable plate (32) is connected to the plate (31) and is deformable in a thickness direction of the plate (31), the module output (33) is connected to the plate (31) and is disposed opposite to the deformable plate (32), the module output (33) and the battery stack (20) are electrically connected. The guiding component (40) is disposed between the cover plate assembly (30) and the battery stack (20), and the guiding component (40) comprises a guiding channel (42) and an exhaust port (43), the guiding channel (42) is disposed opposite to the deformable plate (32) and the exhaust port (43) is disposed opposite to the first vent plate (211), the guiding channel (42) and the exhaust port (43) are connected with each other; and the gas released after the first vent plate (211) is opening flows to the deformable plate (32) through the exhaust port (43) and the guiding channel (42). The battery module provided by the embodiment of the present disclosure may prevent the battery from causing fire and explosion due to overcharge at the module level, and may reduce the production cost of the battery module.

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